

# PassPort® Firmware R07.01.11

## Customer Release Notes

The combination of software versions in the table below include enhancements in the area of Selective Call / Call Alert, Channel Redirect, Roam Lock, Home Site Revert, Disable Priority on Primary Talkgroup, Disable Transmit on Primary Talkgroup, Site / Talkgroup Restriction and Data Enhancements. For further details, please refer to Section I.

	Radio Firmware	PassPort Firmware	Motorola Customer Programming Software (CPS)	PassPort Customer Programming Software (PPCPS)
<b>HT1250-LS<sup>+</sup>™ Portable</b>	R05.04.00 or later	R07.01.11	R06.04.00 or later	R04.00.00
<b>CDM1550-LS<sup>+</sup>™ Mobile</b>	R05.04.01 or later	R07.01.11	R06.04.00 or later	R04.00.00

**NOTE: PASSPORT CPS VERSION R04.00.00 OR HIGHER IS REQUIRED FOR PROGRAMMING LS<sup>+</sup> RADIOS (PORTABLES AND MOBILES) WITH PASSPORT FIRMWARE R07.01.11 OR HIGHER, AND SHOULD NOT BE USED ON RADIOS WITH PASSPORT FIRMWARE BELOW R07.01.11! FAILURE TO COMPLY WITH THIS NOTE COULD LEAD TO PROGRAMMING ERRORS IN YOUR RADIO.**

**CONSEQUENTLY, MOTOROLA STRONGLY RECOMMENDS THAT YOU MAINTAIN A COPY OF THE PPCPS VERSION R03.02.00 FOR USE WITH LS<sup>+</sup> RADIOS CONTAINING PASSPORT FIRMWARE BELOW R07.01.11.**

For further information regarding compatibility between the different versions of Radio Firmware, PassPort Firmware, Motorola Customer Programming Software (CPS) and PassPort Customer Programming Software (PPCPS), please refer to the PassPort Software Compatibility document included in the PPCPS R04.00.00.

To access the PassPort Software Compatibility document, click on "Start > Programs > Motorola > PassPort CPS > PPCPS R04.00.00 > PassPort Software Compatibility".

To access the PassPort RSSI Charts, click on "Start > Programs > Motorola > PassPort CPS > PPCPS R04.00.00 > PassPort RSSI Charts".

*Note: In order to view the PassPort Software Compatibility document or the PassPort RSSI Charts, Adobe Acrobat Reader is required.*

For any questions, please contact Customer Resources at 1-800-927-2744.

## **I. PassPort Firmware R07.01.11 Enhancements**

This version of PassPort Firmware includes many enhancements such as Selective Call / Call Alert, Channel Redirect, Roam Lock, Home Site Revert, Disable Priority on Primary Talkgroup, Disable Transmit on Primary Talkgroup, Site / Talkgroup Restriction and Data Enhancements.

### **Item #1: Selective Call / Call Alert (with Horn and Lights for Mobile Users)**

Selective Call and Call Alert provide the ability to selectively and privately call or page another radio **using the PassPort protocol**. Selective Call can be described as a radio call with voice, whereas Call Alert is a radio call without voice.

Selective Call and Call Alert allow dispatch personnel to communicate to a single unit without involving other units in the conversation. It also provides flexibility in that other users do not have to receive voice communication not intended for them.

Specific MINs must be enabled in the NTS and the PPCPS in order to use this feature. Please refer to the Quick Reference Guide for details of the PPCPS programming and NTS Installation & Operation Manual for details of the NTS configuration.

Selective Call / Call Alert can be initiated in multiple ways: via the menu, a preprogrammed button or a one-touch button. Please refer to the Subscriber User Guide for details on the usage of this feature.

Horn and Lights can be triggered by Selective Call or Call Alert if enabled in the PPCPS.

Selective Call and Call Alert are mutually exclusive.

### **Item #2: Channel Redirect (for Collect Channel Systems Only)**

This feature is applicable during operation in Collect Channel systems only. It improves the robustness of redirection from the collect channel to the grouping channel during the registration process of a subscriber unit. The subscriber unit will wait for an acknowledgement from the system that its MIN and / or ESN has been fully validated before redirecting to the grouping channel. Ergonomically, this Channel Redirect feature is transparent to the user.

### **Item #3: Roam Lock**

Roam Lock allows the radio to lock onto the currently registered site (home site or affiliated site) regardless of the signal strength level. It can only be activated or deactivated via a programmable button, which is configured in the PPCPS.

### **Item #4: Home Site Revert**

When a radio is registered on an affiliated site, this feature allows the user to manually force the radio to search for its home site, and then register to it.

It can only be initiated by pressing the programmable button that is configurable by the PPCPS and cancelled by pressing the PTT button during the Home Site Revert searching process.

**Item #5: Disable Priority on Primary Talkgroup**

This feature allows the priority of a Primary Talkgroup to be optional on a per zone basis. Consequently, the Primary Talkgroup effectively becomes a secondary talkgroup.

If priority is disabled in the PPCPS, the Primary Talkgroup may be added or removed from the scan list via the menu.

**Item #6: Disable Transmit on Primary Talkgroup**

This feature disables transmit of a Primary Talkgroup on a per zone basis. Consequently, the Primary Talkgroup effectively becomes a receive-only talkgroup.

**Item #7: Site / Talkgroup Restriction (Access Privileges by MIN)  
– Only Configurable in the NTS**

If Site / Talkgroup Restriction is enabled in the NTS, the radio will only be allowed to register to specified sites on a MIN or talkgroup basis.

Please refer to NTS Installation & Operation Manual, Revision 2.4, Appendix G, User Guide to New Features in NTS 2.6 for Access Privileges configuration.

**Item #8: Data Enhancements**

This firmware supports the following data configurations:

1. Data-only operation
2. Data and Voice on a secondary talkgroup
3. Data on the Primary Talkgroup and Voice on a secondary talkgroup

Ergonomic enhancements for data also include:

1. Disabling Tones when a data transmission is in progress.
2. Disabling the Front PTT when a data transmission is in progress.

Please refer to CES Wireless Data on PassPort Configuration Guide (Part No: 6881006Y37-O) for details on CES data box configuration.

## **II. PassPort Firmware R07.01.11 Corrections**

None since R06.02.16.

## **III. PassPort Firmware R07.01.11 Known Issues**

**Item #1: Keypad Tones Off**

Keypad tones cannot be disabled while in PassPort operation.

**Item #2: X-Pand™ Front Panel Setting**

X-Pand cannot be enabled/disabled via the front panel while in PassPort operation. PPCPS must be used to enable/disable X-Pand.

**Item #3: Reacquire Timer On Collect Channel**

If during the search pattern, the subscriber searches the collect channel of the site it was previously registered on, the subscriber initiates a registration session regardless of the state of the reacquire timer.

**Item #4: Zero Second Scan Hang Timer**

If the Scan Hang Time is set to 0 seconds, there is approximately a 250 ms window during which the subscriber unit remains in scan hang timer.

**Item #5: Conventional Auto Scan Prevents PassPort Operation**

The subscriber unit must not be programmed with Conventional Zones in which Auto Scan is enabled. This configuration prevents PassPort operation.

**Item #6: Message Error While System is Busy for Selective Call / Call Alert (Mobiles Only)**

"No Acknowledge" appears immediately after "System Busy" if there is no channel available for the initiator of a Selective Call / Call Alert. The call must be re-initiated via the menu, a preprogrammed button or a one-touch button.

**Item #7: LED and Musical Icon Do Not Turn On in Selective Call / Call Alert (Portables Only)**

While navigating the Selective Call / Call Alert menu, the yellow LED and musical icon are not activated to indicate the corresponding mode. The yellow LED and musical icon will activate once the PTT is pressed to initiate the call.

**Item #8: Possible Stunned Radio on Restricted Sites / Talkgroups in Non-Collect Channel Systems**

When a radio attempts to register to a site with a restricted MIN or talkgroup, there is approximately a 250ms window for the radio to be stunned **if and only if** the user attempts to press PTT before the radio is acknowledged from the NTS that the site / talkgroup it is on is restricted.

**Item #9: Possible Interaction Issue Between Front PTT and Data PTT  
(Mobiles Only)**

After a data transmission is initiated, there is a small window of opportunity that a user can initiate a dispatch call or Selective Call / Call Alert via the front PTT even though the radio is still in the middle of processing a data session. In this case, data may be lost. The window of opportunity is dependent upon the timing of the other call activity and the CES data box configuration.

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